

553,059

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
30 September 2004 (30.09.2004)

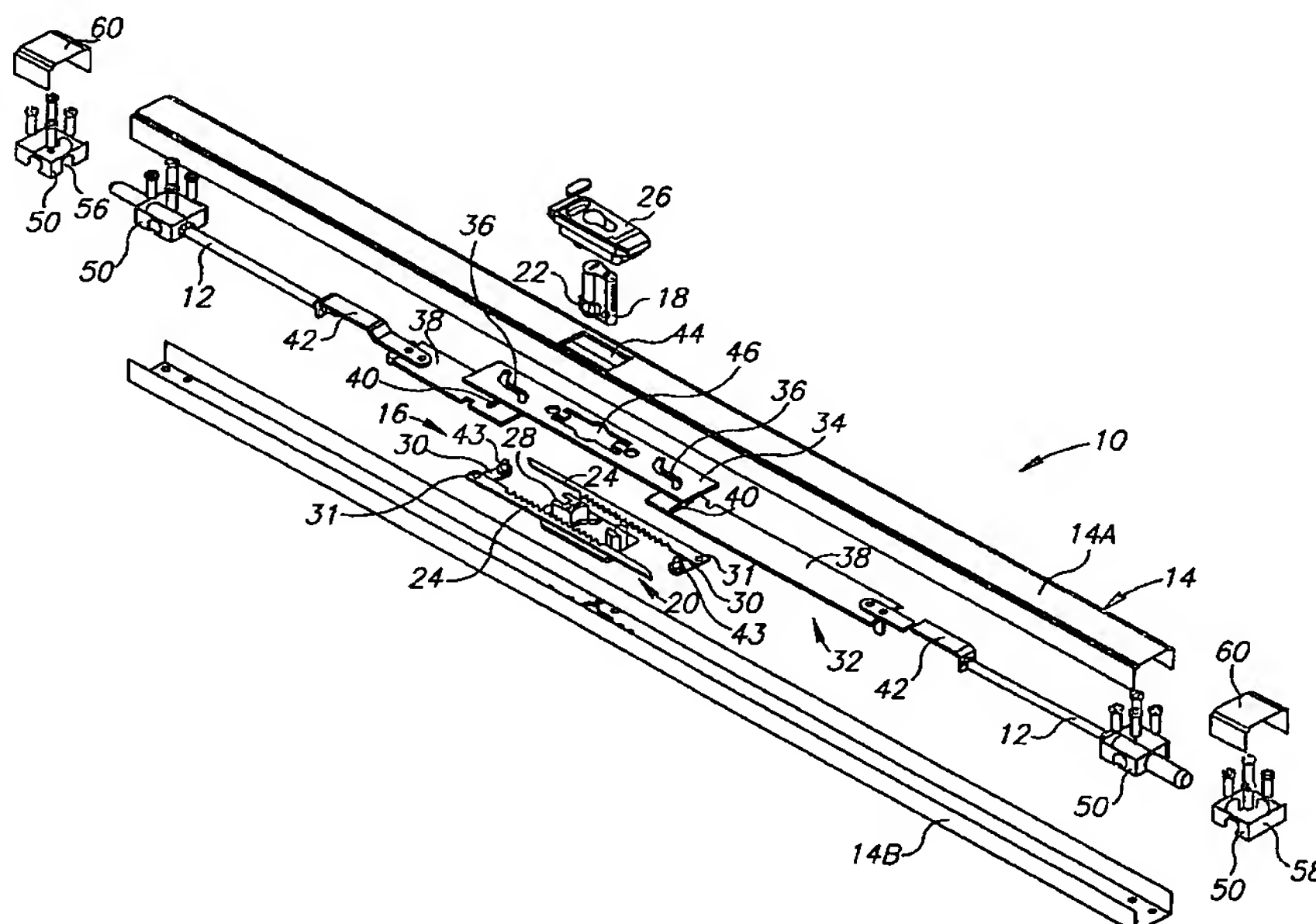
PCT

(10) International Publication Number  
**WO 2004/083575 A1**

- (51) International Patent Classification<sup>7</sup>: **E05C 9/04**
- (21) International Application Number: **PCT/IL2004/000229**
- (22) International Filing Date: **9 March 2004 (09.03.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:  
154990 19 March 2003 (19.03.2003) IL  
156342 8 June 2003 (08.06.2003) IL
- (71) Applicant (for all designated States except US):  
**MUL-T-LOCK TECHNOLOGIES LTD.** [IL/IL];  
Mul-t-lock Park, Po Box 637, Yavne 81104 (IL).
- (72) Inventors; and  
(75) Inventors/Applicants (for US only): **MATYKO, Adalbert** [IL/IL]; 7/24 Bialik Street, Ashdod 77632 (IL).  
**AKERMAN, Alex** [IL/IL]; 24/13 Jabotinsky Street, Beer Sheva 84412 (IL).
- (74) Agent: **KLEIN, David**; Dekel Patent Ltd., Beit Harofim, 18 Menuha Venahala Street, Room 27, Rehovot 76209 (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: **ENHANCED EXTENDABLE MULTIPOINT LOCK**



(57) Abstract: A multipoint lock (10) including a locking mechanism (16) adapted to selectively retract and extend at least one locking element (12) relative to an elongate housing (14), wherein the locking mechanism includes an arm (30) pivotally attached to a lock actuator (20) and constrained to travel in a channel formed in a linkage device (32) linked to the at least one locking element, and wherein in a first position of the lock actuator, the arm is at a first limit of travel in the channel and is pivoted in a first angular direction with respect to the lock actuator so as to be geometrically locked at the first limit of travel.

WO 2004/083575 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*